



# **Lehi City Class IV(b) Landfill**

## **(Landfill Type IVb)**

# **Permit Application**

Updated April 2021

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## FACILITY INFORMATION

The Lehi City Class IV(b) Landfill is an existing solid waste disposal facility located in Lehi City, Utah. The landfill is in a semi inactive state, servicing only the needs of the city's public works operations. The facility accepts construction demolition waste, yard waste, and inert waste for disposal. This Application for a Permit to Operate a Class IV(b) Disposal Facility at the Lehi City Class IV(b) Landfill has been prepared in accordance with applicable state of Utah solid waste regulations. This section will provide information regarding ownership, facility description and location, land use and zoning, waste stream characteristics, and facility administration.

## OWNER AND OPERATOR INFORMATION

The property on which the Lehi Landfill is located is owned by Lehi City Corporation. Lehi City has continuously operated the facility since prior to 1960. When the City began contracting solid waste removal in May 1970, the landfill was placed on semi inactive status accepting only waste from city construction and demolition operations. A copy of the ownership deed is included in Appendix E of this report. The name, address, and telephone number of the contact person at Lehi City regarding site ownership is:

Teisha Wilson, City Recorder  
153 North 100 East  
Lehi, Utah 84043  
385-201-1000

Operation of the landfill are performed under the supervision of Lehi City Public Works Department:

Dave Norman – Public Works Director  
BJ Benson – Street Department Manager  
2538 North 300 West  
Lehi, Utah 84043  
385-201-2429

## FACILITY LOCATION

The Lehi City Class IV(b) Landfill is located approximately one mile north of Interstate 15 and State Street on City street 300 West. The facility is located on 8.26 acres of land described in the public land survey as Beginning 994 56 feet south and 1237 51 feet west of the northeast corner of Section 5, T 5S, R 1E, SLB & M, and running thence N 62°42'28" E 696 87 feet, thence N 90°00'00" E 280 000 Feet, thence S 89°59'26" W 133 88 feet, thence N 00°00'06" W 325 43 feet to the point of beginning. Entrance to the site is approximately located at latitude 40°25' N and longitude 111°51' W. The Lehi City Class IV(b) Landfill is located in Lehi City is located in Utah County just north of Utah Lake(Figure 1).

## FACILITY DESCRIPTION

The Lehi City Class IV(b) Landfill accepts construction and demolition waste from Lehi City projects for disposal. Existing site features (including topography) are identified on the enclosed Figure 3 (Appendix B). Existing Facilities Plan. Discussion related to facility waste characteristics and disposal practices are presented in the Plan of Operations.

Waste placement at the landfill is intermittent. Waste is placed in the active area by city trucks and cover material (which will be stockpiled) from on site will be placed as needed. As most waste is “heavy” and not organic, the need for intermediate or daily cover will be minimal.

#### CAPACITY

According to recent (January 2021) GIS drone footage we currently have the capacity of an additional 44,000 cubic yards. At the current rate of ~20,000 cubic yards per 10 years of waste fill equates to the beneficial use lifespan of the landfill ~20 years.

#### HOURS OF OPERATION

The Lehi City Landfill is opened only when Lehi City transports its disposal wastes to the site. The hours that the city is open is from 6:30am to 5:00 pm Monday through Thursday. At all other times the facility is closed to the public and/or contractors, and the gate locked.

#### FACILITY SIGNAGE

Pursuant to UAC R315-305-5(2), Lehi City shall erect a sign at the facility entrance which identifies the name of the facility, the hours during which the facility is open, and emergency telephone numbers.

#### WASTE CHARACTERISTICS AND PROCEDURES

Lehi City Class IV(b) Landfill provides waste disposal capacity for city operations and city related construction projects, Lehi City will limit waste disposal at the landfill to approximately 250 cubic yards per month on an annual average over the remaining life of the landfill. A daily log (Table 3) submission of waste being dumped in the landfill will be filled out every time there is waste added to the landfill.

The landfill will remain a Class IV(b) facility and will be operated in compliance with the regulations for Class IV(b) waste landfill facilities as described in the Plan of Operations. Waste accepted for disposal at the site is comprised solely of inert waste, construction and demolition debris, wood and yard waste that meet the requirements of Utah Administrative Code R315-301 through 320.

Lehi City will periodically rent a crusher when reusable material piles are full. When the crusher is onsite it will be required that all personnel check in with those operating the crusher to prevent accident or harm to persons or property. The reusable material will be used for Lehi City projects. In the event of excess material, it will be disbursed to prevent premature filling the landfill with reusable materials.

#### WASTE HANDLING PROCEDURES

Pursuant to UAC R315-302-2 (2), the Plan of Operation provides for a description of onsite solid waste handling procedures during the active life of the facility. The waste accepted at the Lehi City Landfill is comprised of inert waste, construction and demolition debris and yard waste. Excluded wastes include, but are not limited to, industrial wastes, liquids, sewage sludge, hazardous materials, household and commercial wastes, contaminated soils, grease, and waste oils.

The quantity of incoming waste is visually estimated and recorded by city personnel stationed at the facility. Daily logs (Table 3) of all incoming waste are maintained and will be entered into the operating record. On average there is 0-3 tons of material added to the landfill

per day. Lehi City has the goal and practice to create as little non reusable waste as possible and implements this practice into the procedures implemented at the Lehi City Class IV(b) Landfill.

#### *CONCRETE / MIXED LOADS / OTHER NON-HAZARDOUS WASTES*

Concrete and mixed loads must be non-hazardous in order to be accepted; these debris are broken down to be reused for maintaining city infrastructure such as millings for shoulders and access roads. Any unused debris are deposited at the active disposal face and periodically compacted (if possible), separated and covered with soil to prevent uncontrolled fires, rodent or vector harborage and differential settlement.

#### *ORGANIC MATERIAL*

Applicable material such as tree cutting and pruning waste is processed through a chipper and re used as weed control and mulch for the Lehi City Parks department. Other applicable and nonreusable material is either deposited in the landfill or small quantities are burned. Open burning of stockpiled tree limbs and woody yard waste will take place one time per year in accordance with Air Quality Rules Sub Section R307-1-2.4.4 (B)(5). Prior to any burning, Lehi City will obtain a permit from its local fire department.

#### ACCEPTABLE WASTE DESCRIPTIONS

Reusable wastes and percentages of debris include but are not limited to:

- Concrete / Mixed Loads: ~35%
  - Old road base over 1"
  - Any mixed loads of Asphalt/concrete/road base
  - Fill material over 1"
  - Minimal Dirt/rock

- Clean Asphalt
- Organic Material: ~60%
  - Trees
  - Weeds
  - Sod
  - Topsoil
- Other Non-Hazardous Construction Waste (Bottom of Landfill, non-reusable) ~5%
  - Garbage: bricks, playground equipment, pvc pipes (sprinkler lines), etc.

\*If the load doesn't meet one of the acceptable waste descriptions contact the inspector.

#### LANDFILL RESTRICTIONS

Wastes which are prohibited from disposal at the Lehi City Class IV(b) Landfill include Pursuant to UAC R315-303-4(7), an operator of a landfill shall not knowingly dispose, treat, store, or otherwise handle hazardous waste or waste containing PCBs (polychlorinated biphenyl). An owner or operator of a landfill shall include and implement as part of the plan of operations a plan that will inspect loads or take other steps as approved by the Director that will prevent the disposal of hazardous waste or waste containing PCBs. These procedures include random load inspections, training records of facility personnel, handling procedures for hazardous and PCB wastes and notification of the solid waste management authority. If hazardous wastes, PCBs, or other suspicious wastes are found, the appropriate authorities will be contacted. Lehi City will be advised on how to manage it and implement appropriate mitigation. Tires are taken to Les Schwab tire center for recycling and disposal.

THE FOLLOWING ITEMS ARE PROHIBITED AND INCLUDE BUT ARE NOT LIMITED TO:

- **INDUSTRIAL WASTES**
- **HAZARDOUS MATERIALS**
- **SEWAGE SLUDGE**
- **GREASE TRAPPINGS**
- **DEAD ANIMALS**
- **TIRES**
- **BATTERIES**
- **WASTE OILS**
- **OTHER ILLICIT OR HAZARDOUS MATERIALS**

\*If you see any of these items, please contact the inspector immediately.

**FIRE AND EXPLOSION PREVENTION PLAN**

No hazardous materials that could start a fire will be accepted or stored in the landfill. In the event of an uncontrolled fire or explosion, 911 will be called and dispatch will send out our local Fire department located at 250 West 2600 North. Lehi City.

**DUST CONTROL**

The roads in the landfill will be periodically water and planted with asphalt millings. In the event of high winds/high heat dust becomes a nuisance call the landfill inspector to rectify the problem.

**LITTER CONTROL PROGRAM**

Litter control measures will be implemented at the Lehi Landfill to prevent scattering of lightweight debris. Litter collection will be performed on an as-needed basis by Lehi City Streets Department personnel or contracted day-laborers.

## SCAVENGING/SALVAGING

Scavenging and salvaging at the Lehi Landfill are prohibited in all areas of the facility.

This provision is enforced using access control measures, perimeter fencing, and employee diligence.

## VECTOR CONTROL PROGRAM

Pursuant to UAC R315-303-5(4), appropriate control and prevention of disease vectors at the Lehi Landfill will be used for the protection of public health and safety. Control and prevention is accomplished using techniques appropriate for the protection of public health and safety and the environment. Compaction and grading of waste at the active face prevents vector harborage in the waste mass. This waste management practice assures minimum exposure of 2 - 8 wastes to potential disease vectors by reducing available entry space, food sources, and nesting locations. Rodent populations may be controlled using poisons, smoke devices, or sonar techniques, if necessary. Insect breeding areas, which may develop in areas of stagnant water or putrescible wastes, will be addressed as discovered. The presence of standing water at the facility will be minimized through the uniform grading of fill surfaces and the installation of a drainage control system. The accumulation of fluids in the waste mass will be minimized by the restriction of liquid wastes accepted at the landfill. If insect infestations occur despite these measures, approved insecticidal sprays or other methods may be employed.

## INSPECTIONS/DAILY LOG

The landfill attendant will conduct periodic site inspections for litter, scattered paper, and other lightweight debris. All recovered waste is returned to the active fill area for proper disposal. Quarterly inspections will be performed and will include a visual inspection of drainage control systems, fill surfaces, perimeter fencing, and site equipment and structures. Quarterly inspection reports (Figure 10) and daily logs (Table 3) will be entered into the operating record and turned into the Public Works Administrative Assistant monthly and will be kept on file for three years.

## TRAINING

Each department will be expected to meet with the Lehi City Landfill Inspector once a year to complete basic training and landfill standards at the Lehi City Class IV(b) Landfill. This training will include identification of containers and labels typically used for hazardous and PCB wastes. Training of hazardous waste handling, safety precautions, and record keeping requirements. Documentation of personnel training will be included with the operation for the facility (Table 4) and kept on file for three years.

## PERMITS

All permits/closures and post closure documents will be kept with logbooks can be referenced online and onsite. It is our goal to maintain and prolong the beneficial use of the Lehi City Class IV(b) Landfill as long as we can without filling it with reusable/recyclable materials.

## LAND USE AND ZONING

The landfill site is within Lehi City zoning boundaries designated as PF (Public Facilities). Use of the site for landfilling purposes is consistent with PF zoning classification and the Lehi City

Council will approve this landfill within the PF zone classification. Surrounding land use is primarily low to medium density residential developments. Adjacent to the landfill site on the north are several Lehi City water storage tanks and reservoirs. Lands within one-half mile of facility property boundaries in all directions are primarily designated with zoning classifications R-1-8, RA-1, R-1-12, and A-1A. Lehi City zoning boundaries and classifications within three miles of the property boundaries are delineated in (Figure 7).

### RELATIONSHIP TO SOLID WASTE MANAGEMENT PLAN

All municipal waste with Lehi City is currently routed to the Utah County Solid Waste Transfer Station in Lindon, Utah. The Lehi City Class IV(b) Landfill is solely designed for disposal of construction and demolition waste from the city of Lehi and will not accept municipal waste.

## TECHNICAL REPORT

All maps and drawings are included in this application, Appendices A, B, C, and D. Figure 1 illustrates the location of the landfill in relation to state and county boundaries and the City of Lehi. Figure 7 depicts the zoning of the landfill property and the surrounding land. Appendix C illustrates the existing facilities and Appendix B shows topography of the site.

### DESIGN AND LOCATION OF RUN-OFF AND RUN-ON CONTROL SYSTEM

The run-off control systems proposed for the Lehi City Class IV(b) Landfill, have been implemented and due to the minimal amount of construction waste added to the landfill remain intact. As illustrated on Figure 3 the active construction waste fill area is in a deeply recessed trough that has approximately 20ft banks on either side and gradual increase in slope in the entry and exit to the landfill on the other two sides reaching that same elevation difference.

During the operating life, the application of daily and intermediate cover to exposed waste surfaces will minimize the volume of contact water generated during precipitation events. Temporary berms will be constructed around the active disposal area to contain run-off flows which may encounter waste during disposal operations.

Run-on controls during the active life of the facility will include the construction of exterior and interior perimeter drainage along the perimeter of the landfill site. As a result of this run-on control feature, the amount of water entering or affecting the active disposal area will be limited to direct precipitation. Based on the favorable climate of the area and relatively low calculated flow velocities, all drainage channels will be native soil.

The landfill site contains sandy gravel sand soils. 43,000 cubic feet before Fill Area reaches capacity. In smaller pits in the landfill a two-foot tall berm will be placed along the southern (lower) edge of each fill area as it is completed to create a permanent retention basin in each fill area.

Maintenance of these areas include vegetation control involving mowing and string trimming weeds. Also creating earth berms to prevent runoff occurring.

## LANDFILL CLOSURE

In case of landfill closure due to weather or anything else that would prohibit the use of this facility, debris will need to be sent to other landfills in the surrounding area.

## CLOSURE PLAN-

Closure of the landfill will be performed in such a manner as to:

“minimize the need for further maintenance, minimize or eliminate threats to human health and the environment from post-closure escape of solid waste constituents, leachate, landfill gases, contaminated run-off or waste decomposition products to the ground, ground water, surface water, or the atmosphere, and, adequately prepare the facility for the post-closure period.”

This plan and any future alterations or amendments to this plan will be maintained with the operations plan for the facility at the Lehi Public Works Office.

## CLOSURE SCHEDULE

At least 60 days before the projected final receipt of waste, Lehi City will notify the Director of the intent to close the Lehi City Class IV(b) Landfill and implement the closure plan. Within thirty days after the final receipt of waste, Lehi City will implement the approved closure plan. The closure activities described in this plan will be completed within 180 days of initiation. Following the completion of closure activities, Lehi City will submit to the Director a set of as-built drawings of final closure construction.

## CLOSURE CONSTRUCTION

The final cover will be constructed with two feet compacted native soil with the upper six inches will be topsoil or other suitable soil which is capable of sustaining plant growth. The final cover will be revegetated and graded to prevent ponding and minimize infiltration of run-off waters.

Based on the vertical and lateral design presented in the maps, Lehi City will perform final cover placement at the end of the active life of each area of the landfill. Closure activities will

be initiated when the development of the site reaches the final design height. As a result, the size of the area to be closed will encompass the entire 8.26-acre limit of final cover placement. Any soil contamination remaining after the final receipt of waste will be removed, treated, or disposed of according to applicable regulations. Following the final receipt of waste, any remaining stockpiles of recyclable or other stored materials will be removed from the site.

Rough contouring will be performed throughout the life of the site during daily operations. Following the general site cleanup described above, final contouring will be performed using waste and native soils to establish a suitable foundation for final cover construction. The site will be surveyed to establish base elevations for closure cap construction. After final grading of the foundation layer, the final cover will be constructed, following the placement and compaction of a minimum of two feet of native soil, the landfill will again be surveyed to verify the final thickness of the final cover layer. As described above, the upper six inches of the final cover layer will be comprised of topsoil or a comparable soil which can sustain native plant growth.

## FINAL INSPECTION

The closure cost estimate is attached to show closure costs for 2021, it is estimated that the site will be closed by sections. The cost estimate assumes that an outside contractor will perform the construction tasks and a ten percent contingency will be built into the final estimate to account for variances in unit costs and any possible unforeseen circumstances. Lehi City is complying with the Financial assurance requirements and provides annual proof that they can provide closure construction and post closure maintenance at the Lehi City Class IV(b) Landfill.

Table 1: Closure maintenance cost estimate

| ITEM   | UNIT                       | \$/Unit                | #UNITS | COST      |
|--|----------------------------|------------------------|--------|-----------|
| <b>1 - Topographic Survey</b>                  | Day                        | \$2,500.00             | 2      | \$5,000   |
| <b>2- Contract Admin, Bidding, and Award</b>   | LS                         | 10% total cost         | n/a    | \$38,335  |
| <b>3 - Project Management/CQA</b>              | LS                         | \$8,000                | n/a    | \$8,000   |
| <b>Engineering Subtotal</b>                    |                            |                        |        | \$51,335  |
| <b>4 - Water Truck</b>                         | LS                         | \$10,000               | n/a    | \$10,000  |
| <b>5- On-site Final Cover Soil Acquisition</b> | 5<br>yd <sup>3</sup> /load | \$18.50                | 11,000 | \$203,500 |
| <b>6 - Final Cover Placement</b>               | yd <sup>3</sup>            | \$1.00/yd <sup>3</sup> | 50,000 | \$50,000  |
| <b>7 - Revegetation &amp; Landscaping</b>      | acre                       | \$8,500/acre           | 10     | \$85,000  |
| <b>Construction Subtotal</b>                   |                            |                        |        | \$348,500 |
| <b>Engineering Subtotal</b>                    |                            |                        |        | \$51,335  |
| <b>Construction Subtotal</b>                   |                            |                        |        | \$348,500 |
| <b>10% Contractor Fee</b>                      |                            |                        |        | \$34,850  |
| <b>1.5% Bond Fee</b>                           |                            |                        |        | \$6,520   |
| <b>Subtotal</b>                                |                            |                        |        | \$441,205 |
| <b>10% Contingency</b>                         |                            |                        |        | \$44,121  |
| <b>Total</b>                                   |                            |                        |        | \$485,326 |

## POST-CLOSURE PLAN

The Post-Closure Plan care and maintenance of Lehi Class IV(b) Landfill will be performed in accordance with this plan, which provides continued facility maintenance.

The design of the Lehi Class IV(b) Landfill does not include a gas monitoring, ground water monitoring, or leachate collection system; therefore, the post-closure plan does not include provisions for gas or ground water monitoring. The office listed below may be contacted during the pos-closure period regarding issues which concern the landfill property plan

Lehi Public Works Director  
2538 N 300 W  
PO Box 255  
Lehi, Utah 84043  
385-201-1000

## POST-CLOSURE SCHEDULE

Post-closure activities will be initiated immediately following the completion of the closure activities described in this application. Post-closure activities will continue for a period of thirty years or a period established by the Director. If post-closure monitoring activities indicate that the site has stabilized and does not pose a threat to human health or the environment, Lehi City may petition the Director for a decrease in the length of the post-closure monitoring period.

Upon completion of post-closure monitoring activities as determined by the Director, Lehi City will submit to the Director a certification, signed by a city representative, which states why

post-closure activities are no longer necessary. Following final approval by the Director, post-closure monitoring activities will be discontinued.

## RECORD MODIFICATIONS

Within 60 days after the completion of all closure activities, plats and a statement of fact concerning the location of any disposal site shall be recorded as part of the record of title with the County Recorder. The notation will serve to notify any potential purchaser of the property that the land has been used as a landfill, and that its use may be restricted by local land use or zoning regulations. Lehi City will notify the Director that the deed notation has been recorded.

## POST-CLOSURE COST ESTIMATE

The following post closure cost estimate has been prepared utilizing current construction costs.

Table 2: Post care costs

| COST ESTIMATE FOR 30 YEARS POST-CLOSURE CARE     |      |         |                        |                          |             |
|--|------|---------|------------------------|--------------------------|-------------|
| LEHI CLASS IV(B) LANDFILL                        |      |         |                        |                          |             |
| ITEM   | UNIT | \$/UNIT | FREQUENCY              | #UNITS<br>30 YR<br>TOTAL | COST        |
| <b>1 Site Inspection &amp; Record Keeping</b>    | hr   | \$115   | semiannually           | 60                       | \$6,900     |
| <b>2 Correctional Plans &amp; Specifications</b> | hr   | \$165   | annually               | 30                       | \$4,950     |
| <b>3 Maintenance &amp; Construction</b>          | hr   | \$165   | Seasonally & as Needed | 90                       | \$14,850    |
| <b>Subtotal</b>                                  |      |         |                        |                          | \$26,700    |
| <b>10% Contingency</b>                           |      |         |                        |                          | \$2,670     |
| <b>Inflation Rate of 1.2%</b>                    |      |         |                        |                          | \$352.44    |
| <b>30 YEAR TOTAL</b>                             |      |         |                        |                          | \$29,722.44 |

## MONITORING OF ENVIROMENTAL SYSTEMS

This permit application is submitted without provisions for ground water monitoring, surface water monitoring, or leachate collection or treatment systems.

Exclusion of these items is based on the classification of the landfill as a Class IV(b) waste disposal facility.

## FINANCIAL ASSURANCE

Lehi City Financial has established the UPTIF financial assurance mechanism that consists of an escrow agreement along with an established post closure fund (PTIF #7193) in the amount of \$516,000 to cover closure and post closure costs of \$515,048.24.

APPENDIX A: Reference Map

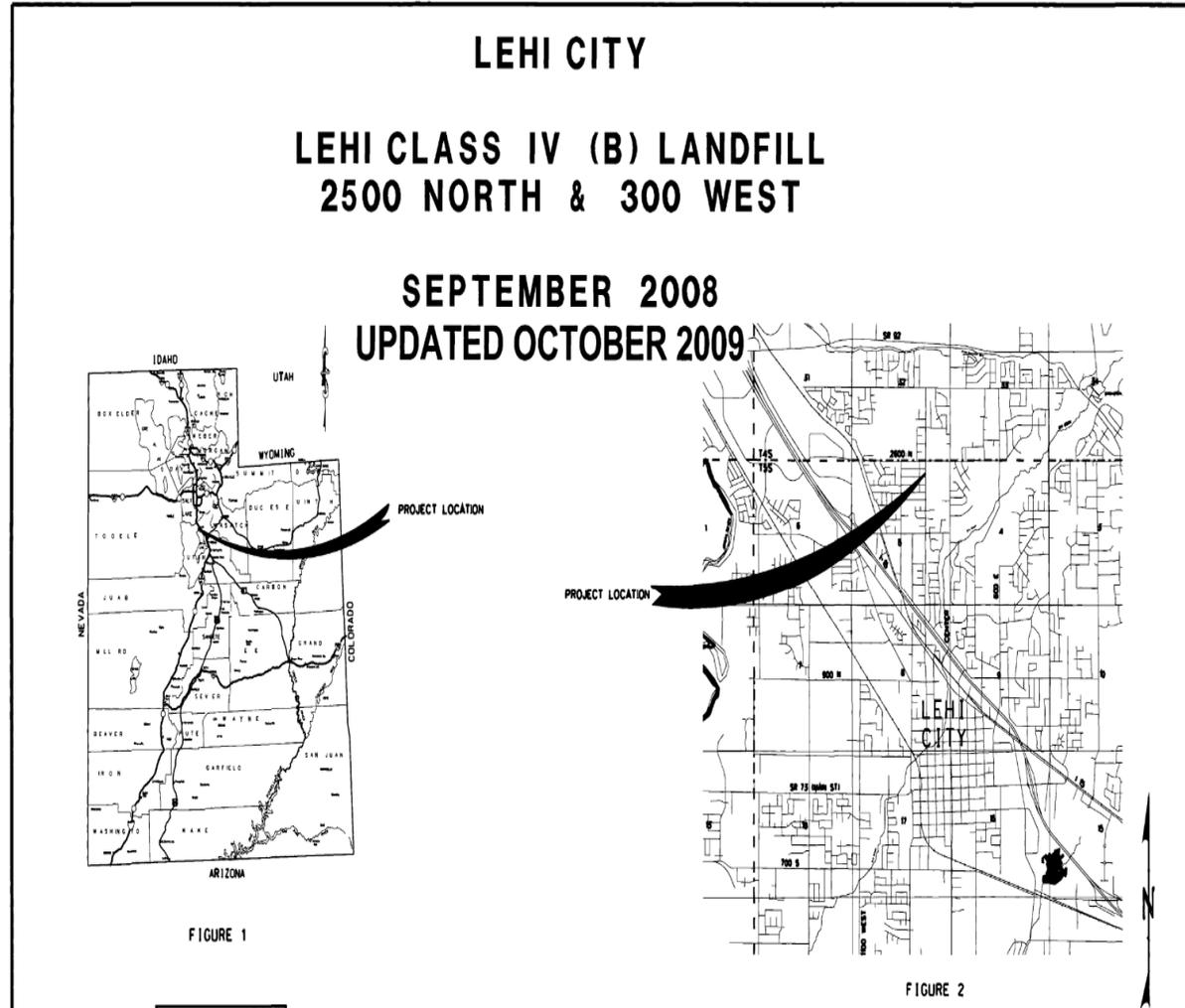


Figure 1: Lehi City Class IV(b) Landfill reference map in relation to the state of Utah.

APPENDIX B: Lehi City Class IV(b) Landfill site location maps



Figure 2: Landfill vicinity map showing gated perimeter and landfill area.



Figure 3: Lehi City Class IV(b) Landfill two-foot contours and available capacity.



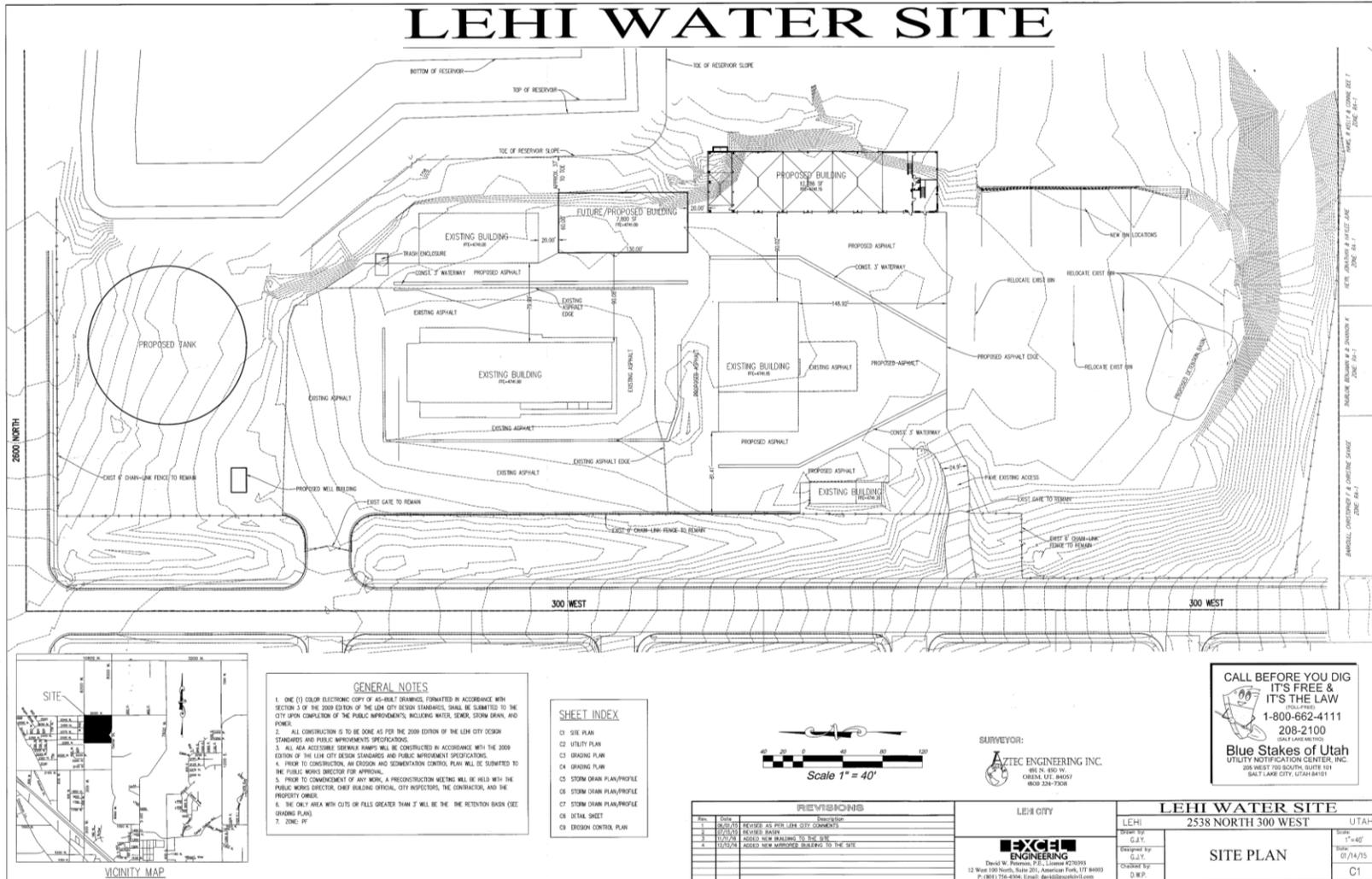


Figure 5: Civil Plans for the Lehi Water and Streets Departments public works buildings. All the proposed buildings have been completed besides the Sand Pit culinary water tank in the corner of 2600 N and 300 W. Date January 2015

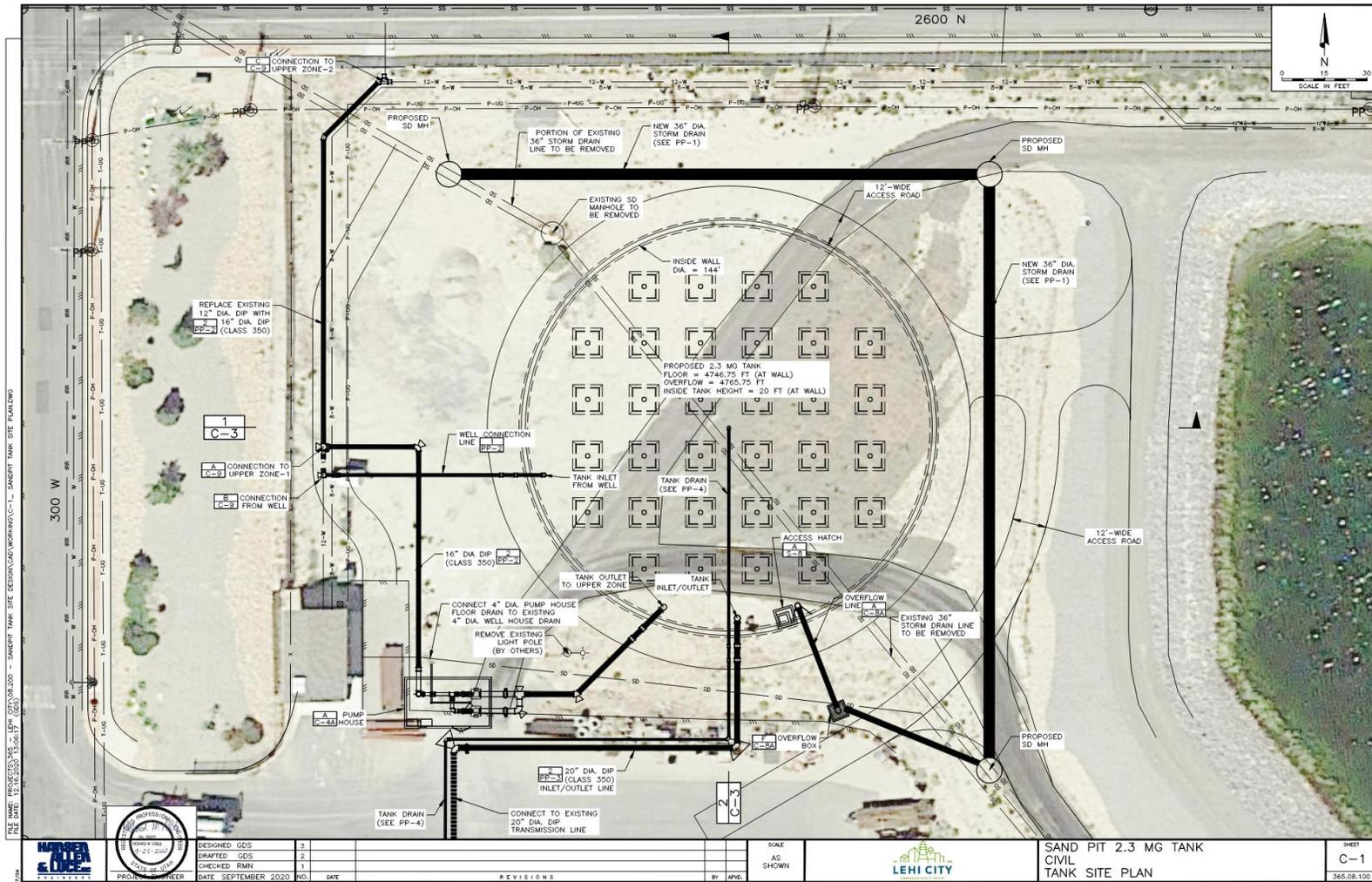


Figure 6: Sand Pit Culinary Water Tank civil sheet. Date February 2021

APPENDIX D: Zoning Map

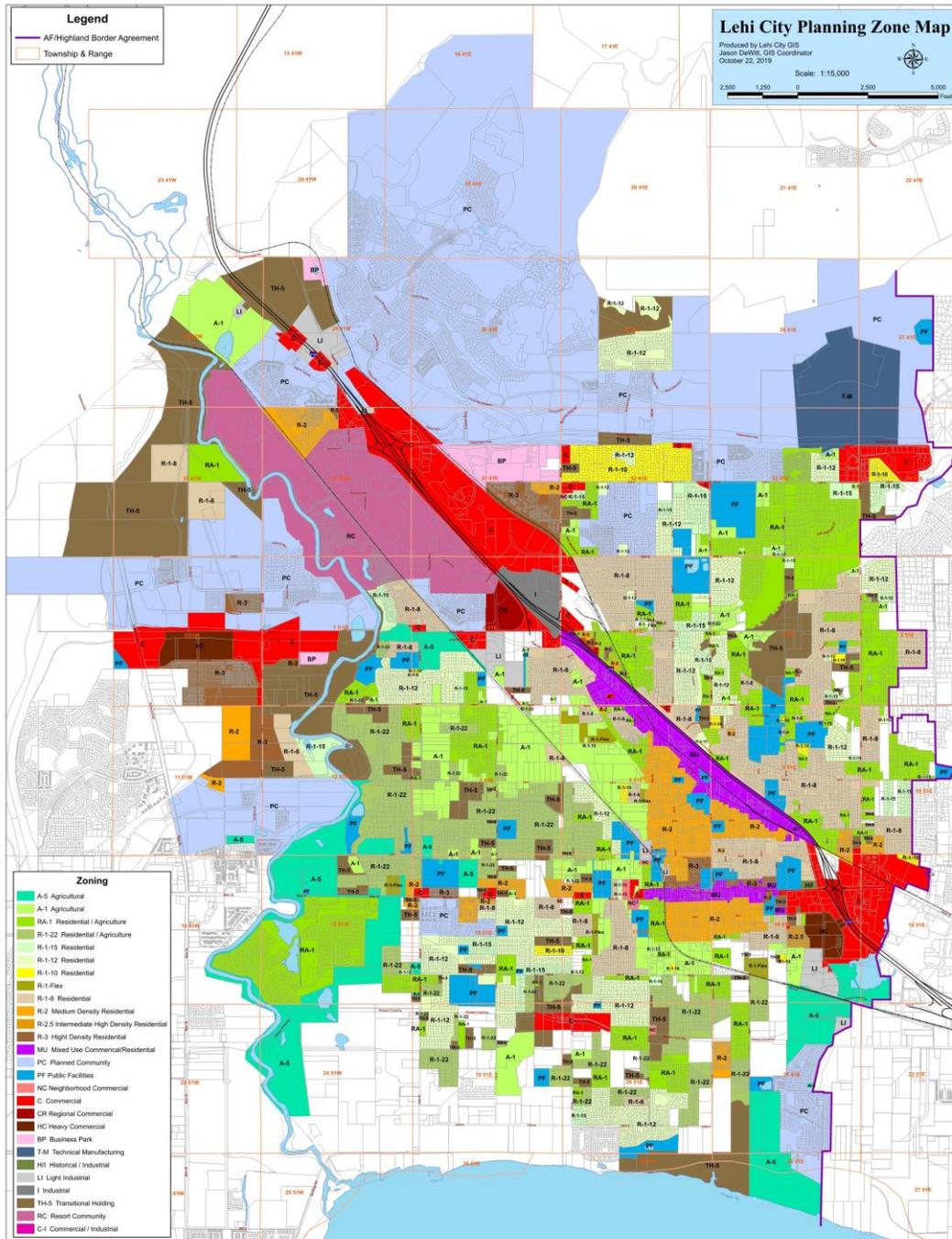


Figure 7: Lehi City zone map last updated October 22, 2019. Click [here](#) for online copy.

APPENDIX E: Deed records for the City of Lehi for the landfill property

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**WARRANTY DEED**

Owen Dean and Amy Dean, husband and wife, Grantor s  
of American Fork, County of Utah State of Utah hereby CONVEY and  
WARRANT to Lehi City, a Municipal Corporation,

Grantee  
of Lehi, County of Utah State of Utah for the sum of  
Ten dollars and other valuable considerations, ~~FOUR~~  
the following described tract of land in Utah County State of Utah

Commencing at the Northeast corner of the  
Northeast quarter of Section five, Township five,  
South of Range one East of the Salt Lake Base  
and Meridian; thence West eleven chains, thence  
South twenty chains; thence East eleven chains, thence  
North twenty chains to the place of beginning.  
Area 22 acres.




WITNESS the hands of said Grantor s this eighth day of December, A D 19 48.

Signed in the presence of  
*[Signature]* Owen Dean  
*[Signature]* Amy Dean

STATE OF UTAH }  
County of Utah } ss

On the 8th. day of December, A D 19 48 personally  
appeared before me Owen Dean and Amy Dean,  
the signer s of the within instrument who duly acknowledged to me that  
they executed the same

*[Signature]*  
Notary Public  
Residing at American Fork Utah  
My Commission expires Aug 9-1951

STANDARD SUPPLY CO. FROM UTAH (Use black typewriter ribbon only)

DEC 11 4 23 PM '48  
REC  
FILED  
COUNTY CLERK  
AMERICAN FORK, UTAH

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Figure 8: Warranty deed for the Lehi City Class IV(b) Landfill.

UTAH COUNTY DEED RECORD 285

1289 Filed Mar 14 1931 at 9 20 A M

QUIT-CLAIM DEED

JOSEPH J SHAW AND SARAH A. SHAW, his wife Grantors of Provo, in the County of Utah State hereby quit-claim to LEHI CITY, A Municipal Corporation Grantee of Lehi, Utah County, the sum of One Hundred Seventy and No/100 Dollars the following described tract of Lehi Precinct Utah County, State of Utah, to-wit

Commencing 11 chains West of Northeast corner of Section 5, Township 5 South of Range 7, M. thence West 7.75 chains, thence South 20 chains thence East 7.75 chains, North 20 chains to the beginning Area 15 50

WITNESS the hand\_ of said Grantor\_ this 5 day of March A D 1931

In the presence of Joseph J Shaw Sarah A Shaw

On this 5th day of March 1931, before me the undersigned a Notary Public within and for the County and State aforesaid, personally appeared Joseph J Shaw and Sarah A Shaw, his wife the signers of the foregoing Instrument who duly acknowledged to me that they executed the same

I further certify that my commission as a Notary Public will expire May 31 1934

(NOTARY SEAL) Willard L Sowards Notary Public Provo, Utah

UTAH COUNTY RECORDER #####

Figure 9: Utah County deed record for the Lehi City Class IV(b) Landfill.

APPENDIX F: Logs and Recordkeeping

Table 3: Lehi City Landfill Daily activity log example.

|      |      | LEHI CITY CLASS IV(b) DAILY LANDFILL ACTIVITY LOG |                         |           |   |
|------|------|---|-------------------------|-----------|---|
| Date | Time | Driver Name                                       | Estimated Volume (TONS) | Vehicle # | Description of what was dumped & Location |
|      |      |   |                         |           |   |
|      |      |   |                         |           |   |
|      |      |   |                         |           |   |
|      |      |   |                         |           |   |
|      |      |   |                         |           |   |
|      |      |   |                         |           |   |
|      |      |   |                         |           |   |
|      |      |   |                         |           |   |





**Lehi City Class IV(b) Landfill Quarterly / Periodic Inspection Log**

Date: \_\_\_\_\_ Time: \_\_\_\_\_

Inspector: \_\_\_\_\_

Observations: \_\_\_\_\_  
 \_\_\_\_\_

Waste placement description: \_\_\_\_\_  
 \_\_\_\_\_

- Fences and access controls present and properly maintained?  YES  NO  N/A
- Have roads been maintained properly and are clear of debris and piles?  YES  NO  N/A
- Are stormwater run-on/run-off controls present and are they being maintained?  YES  NO  N/A
- Is there adequate cover present for waste piles?  YES  NO  N/A
- Are final and intermediate cover present?  YES  NO  N/A
- Are litter controls present to eliminate litter outside the designated landfill area?  YES  NO  N/A
- Are there any liquids leaching into the ground?  YES  NO  N/A
- Any unauthorized waste observed?  YES  NO  N/A
- Has the landfill reached or exceeded its storage capacity?  YES  NO  N/A

Recommended actions: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Has recommended actions from the last inspection been remediated?  YES  NO  N/A

\_\_\_\_\_  
 \_\_\_\_\_

Figure 10: Lehi City landfill quarterly inspection report form.

## APPENDIX G: State of Utah permit application to operate a class IV or VI landfill



## Division of Waste Management and Radiation Control

### Solid Waste Management Program

| Mailing Address                 | Office Location            | Phone (801) 536-0200                                   |
|---------------------------------|----------------------------|--|
| P.O. Box 144880                 | 195 North 1950 West        | Fax (801) 536-0222                                     |
| Salt Lake City, Utah 84114-4880 | Salt Lake City, Utah 84116 | <a href="http://www.deq.utah.gov">www.deq.utah.gov</a> |

## APPLICATION FOR A PERMIT TO OPERATE A CLASS IV OR VI LANDFILL

Please read the instructions that are found in the document, INSTRUCTIONS FOR APPLICATION FOR A PERMIT TO OPERATE A CLASS IV or VI LANDFILL. This application form shall be used for all Class IV or VI solid waste disposal facility permits and modifications. Part I, GENERAL INFORMATION, must accompany a permit application. Part II, APPLICATION CHECKLIST, is provided to assist applicants and, if included with the application, will assist review. Part II is provided to assist in preparation and review of a permit application; it is not required by rule. The text of the rule governs all permit application contents and should be consulted when questions arise.

**Please note** the version date of this form found on the lower right of the page; if you have received this form more than six months after this date it is recommended you contact our office at (801) 536-0200 to determine if this form is still current. When completed, please return this form and support documents, forms, drawings, and maps to:

Ty L. Howard, Director  
Division of Waste Management and Radiation Control  
Utah Department of Environmental Quality  
PO Box 144880  
Salt Lake City, Utah 84114-4880

Utah Class IV and VI Landfill Permit Application Form

|   |                                    |         |   |              |   |  |   |                        |   |  |                                       |  |
|---|------------------------------------|---------|---|--------------|---|--|---|------------------------|---|--|---------------------------------------|--|
| <b>Part I General Information</b>   |                                    |         |   |              |   | APPLICANT: PLEASE COMPLETE ALL SECTIONS. |   |                        |   |  |                                       |  |
| <b>I. Landfill Type</b>   | <input type="checkbox"/> Class IVa |         | <input checked="" type="checkbox"/> Class IVb |              | <b>II. Application Type</b>                 |  | <input type="checkbox"/> New Application                |                        | <input type="checkbox"/> Facility Expansion |  | <input type="checkbox"/> Modification |  |
|   | <input type="checkbox"/> Class VI  |         |   |              |   |  | <input checked="" type="checkbox"/> Renewal Application |                        |   |  |                                       |  |
| For Renewal Applications, Facility Expansion Applications and Modifications Enter Current Permit Number |                                    |         |   |              |   |  |   |                        |   |  | <u>9816R2</u>                         |  |
| <b>III. Facility Name and Location</b>  |                                    |         |   |              |   |  |   |                        |   |  |                                       |  |
| Name of Facility<br>Lehi City Class IV(b) Landfill  |                                    |         |   |              |   |  |   |                        |   |  |                                       |  |
| Site Address (street or directions to site)<br>2538 North 300 West                                      |                                    |         |   |              |   |  |   |                        | County<br>Utah                              |  |                                       |  |
| City Lehi   |                                    |         |   |              | Zip Code 84043                              |  |   | Telephone 385-201-1900 |   |  |                                       |  |
| Township 5  |                                    | Range 1 |   | Section(s) 5 |   | Quarter/Quarter Section<br>NE1/4         |   |                        | Quarter Section NE1/4                       |  |                                       |  |
| Main Gate Latitude degrees 40 minutes 25 seconds 5  |                                    |         |   |              | Longitude degrees 111 minutes 51 seconds 12 |  |   |                        |   |  |                                       |  |
| <b>IV. Facility Owner(s) Information</b>  |                                    |         |   |              |   |  |   |                        |   |  |                                       |  |
| Name of Facility Owner<br>Lehi City Corporation   |                                    |         |   |              |   |  |   |                        |   |  |                                       |  |
| Address (mailing)<br>PO Box 255   |                                    |         |   |              |   |  |   |                        |   |  |                                       |  |
| City Lehi   |                                    |         |   | State UT     |   | Zip Code 84043                           |   |                        | Telephone 385-201-1000                      |  |                                       |  |
| <b>V. Facility Operator(s) Information</b>  |                                    |         |   |              |   |  |   |                        |   |  |                                       |  |
| Name of Facility Operator<br>Brad Benson  |                                    |         |   |              |   |  |   |                        |   |  |                                       |  |
| Address (mailing)<br>PO Box 255   |                                    |         |   |              |   |  |   |                        |   |  |                                       |  |
| City Lehi   |                                    |         |   | State UT     |   | Zip Code 84043                           |   |                        | Telephone 385-201-1900                      |  |                                       |  |
| <b>VI. Property Owner(s) Information</b>  |                                    |         |   |              |   |  |   |                        |   |  |                                       |  |
| Name of Property Owner<br>Lehi City Corporation   |                                    |         |   |              |   |  |   |                        |   |  |                                       |  |

Utah Class IV and VI Landfill Permit Application Form

|  |             |                                       |                           |
|--|-------------|---------------------------------------|---------------------------|
| Address (mailing)<br>PO Box 255        |             |                                       |                           |
| City    Lehi                           | State    UT | Zip Code    84043                     | Telephone    385-201-1000 |
| <b>VII. Contact Information</b>        |             |                                       |                           |
| Owner Contact    David Norman          |             | Title    Public Works Director        |                           |
| Address (mailing)<br>PO Box 255        |             |                                       |                           |
| City    Lehi                           | State    UT | Zip Code    84043                     | Telephone    385-201-1700 |
| Email Address    dnorman@lehi-ut.gov   |             | Alternative Telephone (cell or other) | 385-201-2419              |
| Operator Contact    Brad Benson        |             | Title    Street Department Manager    |                           |
| Address (mailing)<br>PO Box 255        |             |                                       |                           |
| City    Lehi                           | State    UT | Zip Code    84043                     | Telephone    385-201-1900 |
| Email Address    bbenson@lehi-ut.gov   |             | Alternative Telephone (cell or other) | 385-201-2430              |
| Property Owner Contact    David Norman |             | Title    Public Works Director        |                           |
| Address (mailing)<br>PO Box 255        |             |                                       |                           |
| City    Lehi                           | State    UT | Zip Code    84043                     | Telephone    385-201-1700 |
| Email Address    dnorman@lehi-ut.gov   |             | Alternative Telephone (cell or other) | 385-201-2419              |

|  |                                     |                          |                        |               |   |                                     |                          |                                |                          |                          |  |  |                    |           |       |                    |           |       |                 |  |  |            |            |  |
|--|-------------------------------------|--------------------------|------------------------|---------------|---|-------------------------------------|--------------------------|--------------------------------|--------------------------|--------------------------|--|--|--------------------|-----------|-------|--------------------|-----------|-------|-----------------|--|--|------------|------------|--|
| <b>Part I General Information</b> (Continued)  |                                     |                          |                        |               |   |                                     |                          |                                |                          |                          |  |  |                    |           |       |                    |           |       |                 |  |  |            |            |  |
| <b>VIII. Waste Types</b> (check all that apply)  |                                     | <b>IX. Facility Area</b> |                        |               |   |                                     |                          |                                |                          |                          |  |  |                    |           |       |                    |           |       |                 |  |  |            |            |  |
| <input type="checkbox"/> Landfill will accept all wastes allowed in Class IV or VI landfills <b>Or</b> landfill will accept only the following wastes<br><table style="width:100%; border: none;"> <tr> <td style="width:30%;">Waste Type</td> <td style="width:30%;">Combined Disposal Unit</td> <td style="width:30%;">Monofill Unit</td> </tr> <tr> <td><input checked="" type="checkbox"/> Construction &amp; Demolition</td> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td><input type="checkbox"/> Tires</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> </table> |                                     | Waste Type               | Combined Disposal Unit | Monofill Unit | <input checked="" type="checkbox"/> Construction & Demolition | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> Tires | <input type="checkbox"/> | <input type="checkbox"/> | <table style="width:100%; border: none;"> <tr> <td style="width:70%;">Facility Area.....</td> <td style="width:10%; text-align: center;"><u>36</u></td> <td style="width:20%;">acres</td> </tr> <tr> <td>Disposal Area.....</td> <td style="text-align: center;"><u>10</u></td> <td>acres</td> </tr> <tr> <td>Design Capacity</td> <td></td> <td></td> </tr> <tr> <td style="padding-left: 40px;">Years.....</td> <td style="text-align: center;"><u>100</u></td> <td></td> </tr> </table> |  | Facility Area..... | <u>36</u> | acres | Disposal Area..... | <u>10</u> | acres | Design Capacity |  |  | Years..... | <u>100</u> |  |
| Waste Type   | Combined Disposal Unit              | Monofill Unit            |                        |               |   |                                     |                          |                                |                          |                          |  |  |                    |           |       |                    |           |       |                 |  |  |            |            |  |
| <input checked="" type="checkbox"/> Construction & Demolition  | <input checked="" type="checkbox"/> | <input type="checkbox"/> |                        |               |   |                                     |                          |                                |                          |                          |  |  |                    |           |       |                    |           |       |                 |  |  |            |            |  |
| <input type="checkbox"/> Tires   | <input type="checkbox"/>            | <input type="checkbox"/> |                        |               |   |                                     |                          |                                |                          |                          |  |  |                    |           |       |                    |           |       |                 |  |  |            |            |  |
| Facility Area.....   | <u>36</u>                           | acres                    |                        |               |   |                                     |                          |                                |                          |                          |  |  |                    |           |       |                    |           |       |                 |  |  |            |            |  |
| Disposal Area.....   | <u>10</u>                           | acres                    |                        |               |   |                                     |                          |                                |                          |                          |  |  |                    |           |       |                    |           |       |                 |  |  |            |            |  |
| Design Capacity  |                                     |                          |                        |               |   |                                     |                          |                                |                          |                          |  |  |                    |           |       |                    |           |       |                 |  |  |            |            |  |
| Years.....   | <u>100</u>                          |                          |                        |               |   |                                     |                          |                                |                          |                          |  |  |                    |           |       |                    |           |       |                 |  |  |            |            |  |

Utah Class IV and VI Landfill Permit Application Form

|  |                                     |                          |
|--|-------------------------------------|--------------------------|
| <input checked="" type="checkbox"/> Yard Waste | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| <input type="checkbox"/> Animals               | <input type="checkbox"/>            | <input type="checkbox"/> |
| <input type="checkbox"/> Contaminated Soil     | <input type="checkbox"/>            | <input type="checkbox"/> |
| <input type="checkbox"/> Other _____           | <input type="checkbox"/>            | <input type="checkbox"/> |

Note: Disposal of dead animals must be approved by the Director

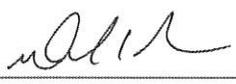
Cubic Yards..... 93000

Tons..... 139

**X. Fee and Application Documents**

|  |  |   |
|--|--|---|
| Indicate Documents Attached To This Application          | <input type="checkbox"/> Application Fee: Amount \$            | Class VI Special Requirements   |
| <input checked="" type="checkbox"/> Facility Map or Maps | <input checked="" type="checkbox"/> Facility Legal Description | <input type="checkbox"/> Documents required by UCA 19-6-108(9) and (10) |
| <input checked="" type="checkbox"/> Plan of Operation    | <input checked="" type="checkbox"/> Waste Description          |   |
| <input type="checkbox"/> Ground Water Report             | <input checked="" type="checkbox"/> Closure Design             |   |
| <input type="checkbox"/> Cost Estimates                  | <input type="checkbox"/> Financial Assurance                   |   |

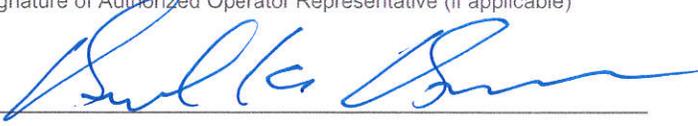
I HEREBY CERTIFY THAT THIS INFORMATION AND ALL ATTACHED PAGES ARE CORRECT AND COMPLETE.

|  |   |                          |
|--|---|--------------------------|
| Signature of Authorized Owner Representative<br><br><br>_____<br><br>David Norman<br>_____<br><br>Name typed or printed | Title<br><b>Public Works Director</b>       | Date<br><b>2/18/2021</b> |
|  | Address<br><b>PO Box 255 Lehi, UT 84043</b> |                          |

|   |  |
|---|--|
| Email Address<br><b>dnorman@lehi-ut.gov</b> | Alternative Telephone (cell or other)<br><b>(385) 201-2419</b> |
|---|--|

|  |         |      |
|--|---------|------|
| Signature of Authorized Land Owner Representative (if applicable)<br><br>_____<br><br>_____<br><br>Name typed or printed | Title   | Date |
|  | Address |      |

|               |                                       |
|---------------|---------------------------------------|
| Email Address | Alternative Telephone (cell or other) |
|---------------|---------------------------------------|

|  |   |                          |
|--|---|--------------------------|
| Signature of Authorized Operator Representative (if applicable)<br><br><br>_____<br><br>Brad Benson<br>_____<br><br>Name typed or printed | Title<br><b>Street Department Manager</b>   | Date<br><b>2/18/2021</b> |
|  | Address<br><b>PO Box 255 Lehi, UT 84043</b> |                          |

|   |  |
|---|--|
| Email Address<br><b>bbenson@lehi-ut.gov</b> | Alternative Telephone (cell or other)<br><b>385-201-2430</b> |
|---|--|

Utah Class IV and VI Landfill Permit Application Form

**Important Note:** The following checklist is for the permit application and addresses only the requirements of the Division of Waste Management and Radiation Control. Other federal, state, or local agencies may have requirements that the facility must meet. The applicant is responsible to be informed of, and meet, any applicable requirements. Examples of these requirements may include obtaining a conditional use permit, a business license, or a storm water permit. The applicant is reminded that obtaining a permit under the *Solid Waste Permitting and Management Rules* does not exempt the facility from these other requirements. Please take note of the heading of each section for the facilities that the section applies to.

An application for a permit to construct and operate a landfill is the documentation that the landfill will be located, designed, constructed, operated, and closed in compliance with the requirements of Utah Administrative Code R315-301 through 320 (*Utah Solid Waste Permitting and Management Rules*) and Utah Code Annotated 19-6-101 through 126 (*Utah Solid and Hazardous Waste Act*). The application should be written to be understandable by regulatory agencies, landfill operators, and the general public. The application should also be written so that the landfill operator, after reading it, will be able to operate the landfill according to the requirements with a minimum of additional training.

Copies of the *Solid Waste Permitting and Management Rules*, the *Utah Solid and Hazardous Waste Act*, along with many other useful guidance documents can be obtained by contacting the Division of Waste Management and Radiation Control at 801-536-0200. Most of these documents are available on the Division’s web page at <https://deq.utah.gov/division-waste-management-radiation-control>. Guidance documents can be found at the solid waste section portion of the web page.

**Part II Application Checklist**

| <b>I. Facility General Information</b>                                     |   |
|--|---|
| Description of Item  | Location In Document<br>Master Document pg then<br>Appendix if applicable |
| <i>1a.</i> General Information for All Facilities                          |   |
| Completed Part I General information form above                            | pg 30-31 (App G)  |
| General description of the facility (R315-310-3(1)(b))                     | pg 1-2  |
| Legal description of property (R315-310-3(1)(c))                           | pg 1 & App E  |
| Proof of ownership, lease agreement, or other mechanism (R315-310-3(1)(c)) | App E (pg 19-20)  |

Utah Class IV and VI Landfill Permit Application Form

| <b>I. Facility General Information</b>  |   |
|---|---|
| Description of Item   | Location In Document<br>Master Document pg then<br>Appendix if applicable |
| If the permit application is for a Class IV landfill, a demonstration that the landfill is not a commercial facility (see Utah Code Annotated 19-6-102(3) for definition of Commercial) | pg 1-3  |
| <b>Waste type and anticipated daily volume (R315-310-3(1)(d))</b>   | pg 4-6  |
| Intended schedule of construction (R315-302-2(2)(a))  | NA  |
| <b>I/b. General Information for All New Or Laterally Expanding Facilities</b>   |   |
| Documentation that the Historical Survey requirements of R315-302-1(2)(f) have been met (R315-305-4(1)(b)(vi))  | N/A   |
| Name and address of all property owners within 1000 feet of the facility boundary (R315-310-3(2)(i))  | N/A   |
| Documentation that a notice of intent to apply for a permit has been sent to all property owners listed above (R315-310-3(2)(ii))   | N/A   |
| Name of the local government with jurisdiction over the facility site (R315-310-3(2)(iii))  | Pg 1-2, 25-26 (App G)   |
| <b>I/c. Location Standards for New Or Laterally Expanding Class IVa Landfills (R315-305-4(1)(a))</b>  |   |
| Land use compatibility  | N/A   |
| Maps showing the existing land use, topography, residences, parks, monuments, recreation areas or wilderness areas within 1000 feet of the site boundary                                | N/A   |
| Certifications that no ecologically or scientifically significant areas or endangered species are present in site area  | N/A   |
| Maps showing the location of dwellings, residential areas, other structures, and historic structures.   | N/A   |

Utah Class IV and VI Landfill Permit Application Form

| <b>I. Facility General Information</b>   |   |
|--|---|
| Description of Item  | Location In Document<br>Master Document pg then<br>Appendix if applicable |
| List of airports within five miles of facility and distance to each  | N/A   |
| Geology  | N/A   |
| Geologic maps showing significant geologic features, faults, and unstable areas  | N/A   |
| Maps showing site soils  | N/A   |
| Surface water  | N/A   |
| Magnitude of 24 hour 25 year and 100 year storm events   | N/A   |
| Average annual rainfall  | N/A   |
| Maximum elevation of flood waters proximate to the facility  | N/A   |
| Maximum elevation of flood water from 100 year flood for waters proximate to the facility  | N/A   |
| Wetlands   | N/A   |
| Ground water   | N/A   |
| <i>Id.</i> Location Standards for New Or Laterally Expanding Class IVb and VI Landfills  |   |
| Floodplains as specified in R315-302-1(2)(c)(ii) (R315-305-4(1)(b)(i))   | N/A   |
| Wetlands as specified in R315-302-1(2)(d) (R315-305-4(1)(b)(ii))   | N/A   |
| The landfill is located so that the lowest level of waste is at least ten feet above the historical high level of ground water (R315-305-4(1)(b)(iii)) | N/A   |
| Geology as specified in R315-302-1(2)(b)(i) and (iv) (R315-305-4(1)(b)(iv))  | N/A   |
| Demonstration that the lowest level of waste will be ten feet above the historic high ground water elevation   | N/A   |

Utah Class IV and VI Landfill Permit Application Form

| <b>I. Facility General Information</b>   |   |
|--|---|
| Description of Item  | Location In Document<br>Master Document pg then<br>Appendix if applicable |
| <i>1e.</i> Additional Location Standards for New Or Laterally Expanding Class IVb and VI Landfills Or Landfills Requesting That Dead Animals Be Added As A New Waste Stream (R315-305-4(1)(a)(v))                  |   |
| Maps showing the existing land use, topography, residences, parks, monuments, recreation areas or wilderness areas within 1000 feet of the site boundary   | N/A   |
| Certifications that no ecologically or scientifically significant areas or endangered species are present in site area   | N/A   |
| Maps showing the location of dwellings, residential areas, other structures, and historic structures.  | N/A   |
| List of airports within five miles of facility and distance to each  | N/A   |
| <i>1f.</i> Plan Of Operations for All Facilities (R315-310-3(1)(e) and R315-302-2(2))  |   |
| Description of on-site waste handling procedures and an example of the form that will be used to record the weights or volumes of waste received (R315-302-2(2)(b) And R315-310-3(1)(f))                           | pg 3-5, 27 (App 27)   |
| Schedule for conducting inspections and monitoring, and examples of the forms that will be used to record the results of the inspections and monitoring (R315-302-2(2)(c), R315-302-2(5)(a), and R315-310-3(1)(g)) | pg 9  |
| Contingency plans in the event of a fire or explosion (R315-302-2(2)(d))   | pg 7  |
| Plan to control fugitive dust generated from roads, construction, general operations, and covering the waste (R315-302-2(2)(g))  | pg 7  |
| Plan for litter control and collection (R315-302-2(2)(h))  | pg 7  |
| Procedures for excluding the receipt of prohibited hazardous or PCB containing waste (R315-302-2(2)(j))  | pg 6-7  |
| Procedures for controlling disease vectors (R315-302-2(2)(k))  | pg 8  |

Utah Class IV and VI Landfill Permit Application Form

| <b>I. Facility General Information</b>   |   |
|--|---|
| Description of Item  | Location In Document<br>Master Document pg then<br>Appendix if applicable |
| A plan for alternative waste handling (R315-302-2(2)(l))   | pg 6, 10  |
| A general training plan for site operations (R315-302-2(2)(o))   | pg 9  |
| Any recycling programs planned at the facility (R315-303-4(6))   | pg 5  |
| Any other site-specific information pertaining to the plan of operation required by the Director (R315-302-2(2)(p))  | N/A   |
| <b>Ig. Additional Plan Of Operation Requirements for Class IVa Facilities</b>  |   |
| Corrective action programs to be initiated if ground water is contaminated (R315-302-2(2)(e))  | N/A   |
| <b>II Facility Technical Information</b>   |   |
| <b>IIa. Maps for All Facilities</b>  |   |
| Topographic map drawn to the required scale with contours showing the boundaries of the landfill unit, ground water monitoring well locations, gas monitoring points, and the borrow and fill areas (R315-310-4(2)(a)(i))  | pg 19-20 App B  |
| Most recent U.S. Geological Survey topographic map, 7-1/2 minute series, showing the waste facility boundary; the property boundary; surface drainage channels; any existing utilities and structures within one-fourth mile of the site; and the direction of the prevailing winds (R315-310-4(2)(a)(ii)) | pg 18-23 App A-C  |
| <b>IIb. Geohydrological Assessment for Class IVa Landfills (R315-310-4(2)(b))</b>  |   |
| Local and regional geology and hydrology including faults, unstable slopes and subsidence areas on site (R315-310-4(2)(b)(i))  | N/A   |
| Evaluation of bedrock and soil types and properties including permeability rates (R315-310-4(2)(b)(ii))  | N/A   |
| Depth to ground water (R315-310-4(2)(b)(iii))  | N/A   |

Utah Class IV and VI Landfill Permit Application Form

| <b>I. Facility General Information</b>  |   |
|---|---|
| Description of Item   | Location In Document<br>Master Document pg then<br>Appendix if applicable |
| Quantity, location, and construction of any private or public wells on-site or within 2,000 feet of the facility boundary (R315-310-4(2)(b)(v))   | N/A   |
| Tabulation of all water rights for ground water and surface water on-site and within 2,000 feet of the facility boundary (R315-310-4(2)(b)(vi))   | N/A   |
| Identification and description of all surface waters on-site and within one mile of the facility boundary (R315-310-4(2)(b)(vii))   | N/A   |
| For an existing facility, identification of impacts upon the ground water and surface water from leachate discharges (R315-310-4(2)(b)(viii))   | N/A   |
| Calculation of site water balance (R315-310-4(2)(b)(ix))  | N/A   |
| <b>//c. Engineering Report, Plans, Specifications, And Calculations for All Facilities</b>  |   |
| Unit design to include cover design; fill methods; and elevation of final cover including plans and drawings signed and sealed by a professional engineer registered in the State of Utah, when required (R315-310-3(1)(b) and R315-310-4(2)(c)(iii)) | pg 21-23  |
| Design and location of run-on and run-off control systems (R315-310-4(2)(c)(viii))  | pg 10-11, 20  |
| Anticipated facility life and the basis for calculating the facility's life (R315-310-4(2)(c)(ii))  | pg 3  |
| Engineering reports required to meet the location standards of R315-305-4 including documentation of any demonstration or exemption made for any location standard (R315-310-4(2)(c)(i))  | N/A Existing Facility   |
| Identification of borrow sources for final cover (R315-310-4(2)(c)(iv))   | N/A   |
| Run-off collection, treatment, and disposal and documentation to show that any treatment system is being or has been reviewed by the Division of Water Quality (R315-310-4(2)(c)(v) and R315-310-3(1)(i))   | N/A   |

Utah Class IV and VI Landfill Permit Application Form

| <b>I. Facility General Information</b>  |   |
|---|---|
| Description of Item   | Location In Document<br>Master Document pg then<br>Appendix if applicable |
| <i>II.d.</i> Closure Requirements for All Facilities  |   |
| CLOSURE PLAN (R315-310-3(1)(h))   | pg 11-13  |
| Closure schedule (R315-310-4(2)(d)(i))  | pg 12   |
| Design of final cover (R315-310-4(2)(c)(iii))   | pg 12-13  |
| Capacity of site in volume and tonnage (R315-310-4(2)(d)(ii))   | pg 3  |
| Final inspection by regulatory agencies (R315-310-4(2)(d)(iii))   | pg 13   |
| <i>II.e.</i> Post-Closure Requirements for All Facilities   |   |
| POST-CLOSURE CARE PLAN (R315-310-3(1)(h))   | pg 15-16  |
| Changes to record of title, land use, and zoning restrictions (R315-310-4(2)(e)(v))   | pg 16   |
| Maintenance activities to maintain cover and run-on/run-off control systems (R315-310-4(2)(e)(iii))   | pg 10-11  |
| List the name, address, and telephone number of the person or office to contact about the facility during the post-closure care period (R315-310-4(2)(e)(vi))                               | pg 15   |
| <i>II.f.</i> Financial Assurance for All Facilities (R315-310-3(1)(j))  |   |
| Identification of closure costs including cost calculations (R315-310-4(2)(d)(iv))  | pg 14   |
| Identification of post-closure care costs including cost calculations (R315-310-4(2)(e)(iv))  | pg 15   |
| Identification of the financial assurance mechanism that meets the requirements of Rule R315-309 and the date that the mechanism will become effective (R315-309-1(1) and R315-310-3(1)(j)) | pg 17   |